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| **Use Case “CRUD Message”**   1. **Use case code**   UC00X   1. **Brief Description**   This use case describes the interaction between users and <name\_of\_the\_system> when users wishes to use basic operation( create/ read/ update / delete) with messages in a conversation   1. **Actors**    1. **User** 2. **Preconditions**   User needs to log in their account then participate in a conversation before interacting with messages.   1. **Basic Flow of Events** 2. The user creates a message in a conversation. ( see Table B) 3. The user sends the message. 4. The software stores that message and display message to other user (s) in that conversation. ( see table C) 5. **Alternative flows**   Table A-Alternative flows of events for UC Place order   |  |  |  |  |  | | --- | --- | --- | --- | --- | | **No** | **Location** | **Condition** | **Action** | **Resume location** | |  | At any step | If the user want to read message | * User scroll the screen to see previous message . | Resumes at Step 1 | |  | At Step 1 | If user want to change the content of message before sending | * User changes the content of message | Resumes at Step 1 | |  | At Step 3 | If user want to change the content of message after sending | * User changes the content of message * Software notices the change , changes the content of message in database and updates message in conversation. | Resumes at Step 1 | |  | At any step | If the user want to delete message | * User scroll the screen to see previous message and delete message . * Software notices the change , deletes the content of message in database and updates content in conversation. | Resumes at Step 1 |  1. **Input data**   Table B-Input data of Message   |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | | **No** | **Data fields** | **Description** | **Mandatory** | **Valid condition** | **Example** | |  | Text |  | No |  |  | |  | Image |  | No | Png , jpg with file size under 5 MB |  | |  | File |  | No | file size under 5 MB |  | |  | Emoji | Sample downloaded emoji | No |  |  |  1. **Output data**   Table B-Output data of Message   |  |  |  |  |  | | --- | --- | --- | --- | --- | | **No** | **Data fields** | **Description** | **Display format** | **Example** | |  | Content Text | Indicate whether message contains text or not | String |  | |  | Content Image | Indicate whether message contains image or not | String |  | |  | Content file | Indicate whether message contains file or not | String |  | |  | Content emoji | Indicate whether message contains emoji or not | String |  | |  | Time | Sending time | Date | 12:03 pm 01/01/2023 | |  | ID | Generated automatically based on user’s ID | String | NY123-456789 |  1. **Postconditions** |